Math worksheet on *'Prime Factorization - Is Number a Multiple - From Value as Factors (Level 3)'*. Part of a broader unit on *'Factoring and Lowest Common Multiple - Advanced'*

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$2625 = 3 \cdot 5^3 \cdot 7$

$525 = 3 \cdot 5^2 \cdot 7$

Is 2625 a multiple of 525 is 2625 a multiple of 525?

a	b
Yes	No

2

$2450 = 2 \cdot 5^2 \cdot 7^2$

$550 = 2 \cdot 5^2 \cdot 11$

Is 2450 a multiple of 550 is 2450 a multiple of 550?

a	b
Yes	No

3

$2625 = 3 \cdot 5^3 \cdot 7$

$210 = 2 \cdot 3 \cdot 5 \cdot 7$

Is 2625 a multiple of 210 is 2625 a multiple of 210?

a	b
Yes	No

4

$252 = 2^2 \cdot 3^2 \cdot 7$

$84 = 2^2 \cdot 3 \cdot 7$

Is 252 a multiple of 84 is 252 a multiple of 84?

a	b
Yes	No

5

$630 = 2 \cdot 3^2 \cdot 5 \cdot 7$

$210 = 2 \cdot 3 \cdot 5 \cdot 7$

Is 630 a multiple of 210 is 630 a multiple of 210?

a	b
Yes	No

6

$1050 = 2 \cdot 3 \cdot 5^2 \cdot 7$

$350 = 2 \cdot 5^2 \cdot 7$

Is 1050 a multiple of 350 is 1050 a multiple of 350?

a	b
Yes	No

7

$1050 = 2 \cdot 3 \cdot 5^2 \cdot 7$

$330 = 2 \cdot 3 \cdot 5 \cdot 11$

Is 1050 a multiple of 330 is 1050 a multiple of 330?

a	b
Yes	No